

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P844174

Luminaire Tested: **LD6C20DE010B50 EU6C20B50 6LBMLI**

Issue Date: 2/17/2023



Test Information

Test Method: LM-79-08
Report Number: P844174
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205108)
Test Lab: INNOVATION CENTER
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C20DE010B50 EU6C20B50 6LBMLI
Description:
Light Source: -
Ballast/Driver:

Summary

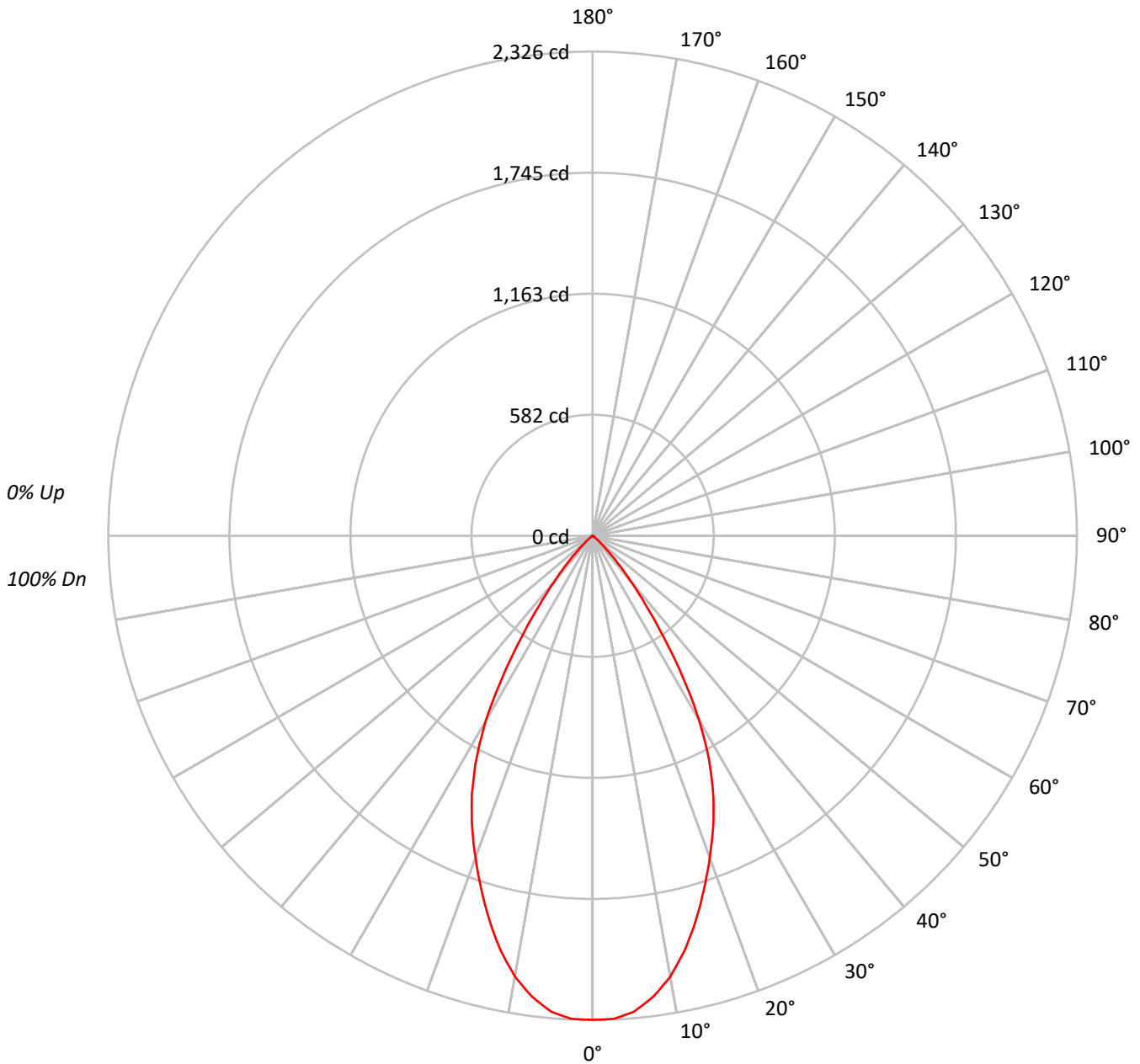
Lumens per Lamp: N/A
Luminaire Lumens: 1858.3 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.85
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 21.8
Input Voltage (V):
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94			
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88			
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	85	83	82			
4	98	91	85	81	96	89	84	81	87	83	80	85	82	79	83	80	78	76			
5	93	85	79	75	91	84	79	75	82	78	74	81	77	73	79	76	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	69	65	83	75	69	65	73	68	65	72	68	64	71	67	64	63			
8	80	71	65	61	79	70	65	61	69	64	61	68	64	60	67	63	60	59			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			
10	73	64	58	54	72	63	58	54	62	57	54	62	57	54	61	57	54	52			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	127484
5°	126271
10°	119654
15°	108633
20°	95996
25°	82995
30°	64871
35°	39786
40°	20417
45°	8109
50°	2635
55°	908
60°	778
65°	623
70°	385
75°	508
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.2	11.5
10°-20°	533.4	28.7
20°-30°	620.0	33.4
30°-40°	379.7	20.4
40°-50°	94.3	5.1
50°-60°	11.0	0.6
60°-70°	4.1	0.2
70°-80°	1.6	0.1
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1367.6	73.6
0°-40°	1747.3	94.0
0°-60°	1852.6	99.7
0°-90°	1858.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1858.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2326	
5°	2295	214
15°	1914	533
25°	1372	620
35°	594	380
45°	105	94
55°	10	11
65°	5	4
75°	2	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2325.5
2.5°	2323.1
5°	2294.6
7.5°	2232.8
10°	2149.5
12.5°	2040.2
15°	1914.1
17.5°	1778.6
20°	1645.5
22.5°	1512.3
25°	1372.1
27.5°	1210.4
30°	1024.8
32.5°	808.5
35°	594.5
37.5°	418.5
40°	285.3
42.5°	178.3
45°	104.6
47.5°	59.4
50°	30.9
52.5°	14.3
55°	9.5
57.5°	7.1
60°	7.1
62.5°	4.8
65°	4.8
67.5°	2.4
70°	2.4
72.5°	2.4
75°	2.4
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)